

WHITHER NOW. SPACE MAN?

Tuns giant "Space Man" will be a feature of this I year's Macy Thanksgiving Day Parade in New York City - just as other Goodyear-built figure balloons have highlighted this annual event for 22

These wondrous characters, made of inflated rubberized fabric, owe their existence to Goodyear aeronautics pioneering which goes back to early racing balloons, the famed "Stay Tight" Fabric used on the wings of early Wright biplanes and the first successful bullet-sealing fuel tank.

Today the technical skill which pioneered such early advancements is resulting in many new and important Goodyear Rubberized-Fabric Products such as gigantic inflatable radomes for housing ground radar installations, portable gasoline-storage fields, and diaphragm-actuated fuel systems for guided missiles.

When new problems call for special knowledge of rubberized fabrics - or a host of other materials the Aviation Products Division of Goodvear is ever demonstrating its ability to deliver the right answer. whether it be equipment for a ship for outer space, or a Space Man for a parade. Goodyear, Aviation Products Division

Akron 16, Ohio or Los Angeles 54, California

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Aviation Week

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From I Bullet Second Assessments Los T Terror Printing & Production Alexandro McGraele, Associate Editor, died Sept. 15 DOMESTIC NEWS BUILDANS

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Assisted Week is served by Decis Amorganion, Inc., a solution of Assessed Press L.C. Islance Resourt Messey Sales Representatives L.G. Anthony, New York, H. P. Johnson, Cleveland, D. T. Bree un and [5 Corolly, Chicago and St. Lewer E. P. Elandard, Jr., Boston, June Col., Dollar, Robert H. Siler, Affects, E. E. Dolland, Son Francisco, G. F. Molleywold, Law August, W. S. Henry, Plabelophic, G. A. Sombell, Donald, Other

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What's New at AiResearch 100

MINIATURE PRESSURE PROBE

developed by AiResearch lab to measure air flow through turbo-machinery This nive total accesses probe - part - year excuspons up to 30" at relocation - and develop their eventeols and ensign close to Much L. ment in order to create the entore. of a hypodornic recolls and a serling By use of this total account made. Mighly specialized Allicearch compo-If is prouble to make repression of any neutron vital to enery true of modern AfRicarch recomment in could not Box deries to further conveys the effer American abstralt. cleary of small Askessorch are and Would not like to much with an? turbo machinery, it is designed to This is neether example of how Qualited engineer, scientists and skilled measure true total pressure within Afficeres laboratories must design contoures are record here.

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NEWS DIGEST

Domestic

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middage and fire coatrol orderer, is being unveiled this week by Sperry Acresarates New gero sain obesting sudustry even executs. Nevy disclosed that Spoor is flight today in execu-

ently seried a \$35 million contact with Shill Oil (Assertor Wirzy Oct

New T-39 tone product will be Hauld B. Thomas, a founder of Elease Stop Nat Corporation of America and proadent of Control

Products, Inc., diel Oct 23 at Short BMs. N J Thomas S. Blog. 55, progress of the petrology, was killed last panish as a

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from the same around but your Total Eastern Air Lance has availed con-712 SSS on 1862 Will's one house one reflice gellen of scribes position. resking the second large feel mosely set up by EAL for 1954. The carner re-

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Bell Alzente Corp., Buffalo, N.Y., re posts a net profit of \$2,647,832 for the

congress stock as addition to a remain quarterly payment of 25 cents UAL also has decised a 51 125 decised on



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Lord Kewlweets, 57, former chair

Right angle TRANSMISSION PRORI EM

Street Sekerk

Before spending time and money on a tailor-made design Importants ANGLesse You'll learn why these troy right-angle bevel gear drives are an water med ANGLESSES have the expressive of units many times their 16 bp at 1890 cpm Model \$,700 et 1 hr. Both models have hardened scars and bell bearings, are laborated for hie. Both are made with 1d ratio, sad with 2-way or ANGLESAYS are described felly in the LAS Aerocautical

Protecemen Catalon Refer to this publication for complete ACCESSORIES CORPORATIO



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ANATION WEEK, Named or 1984



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New U. S., Foreign Aircraft Start Tests



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Remington Rand Methods News

Records can make or break plant operation!

Today's alert manufacturing executive needs the right. The highly possestless market that

simplified record-keeping precedures to help increase reduct from existing facilities. ... at lower cost per unit!

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Effective Production Control starts in the Engineering Desgrephent

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In the Front Office

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Honors and Elections Ewinia B. Seeballer, christop of United Arrest Corp. East Martine Germ, will access a special anid mobil ► Westlashouse As: Ann Division at Belizzone has developed a lightweight a device in a supplement to their own vision in spitting enemy formations at

promodulat device for turboot engines and is proceeding with advenced service principles and ser hombers when the reverse-threst device is refliciently

▶Test production of New Dougles AED (Assenzer Week Nov. 2, p. 7) way flower at Eclassica AER is required by two Posts & Wildraw IST bests. was reduced the Westerhouse Mile which were conduced as the most

· Nove is equipping all of its coming posteration of corrier and water-based fighters with allowather capabilities. The McDonaell Fill, Douglat FilD

F Salandor Diversing of Chested Assembly Citya, plans to double ats personn Flore reviewed well being Salersky resolutioned by share \$100 and well he said initially for acceleration of the HRIS two-costne Marine mank hebosptor Plent will cost \$17,500,000 North Awerken is developing as obsention ventors of the F-300 as a model modification challes to the F-56D development from the bade F-56.

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nated C100C to UNE. Germal C100C was a restor revise service of the Madel 340, equipped with special paper compared and spheduled for tot as a report transport for USAF creshet exits. Allica T56 turbource see being metalled as the fact of the two C111Cs at County's Pt. Worth *Silvenily is about to begin to-down tests on its for HKIS two-enemy Marine assait helicopers. First flight is scheduled before the end of

*Later British all weather School will be moded with American desired and creduced side fatercest and fee control controls ander the factors. malitary assistance peopular because no matable Bertish equapment is gradular. Four soundness of Northeap F-89 Scorpuse all weather dighters are back

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Washington Roundup

Contract Policy

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C-46 Squeeze

Weapons System Problem

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AVIATION WEEK NOT 1963

FBI, Senate Committee Investigate CAB Whotever politicary seriest CAR was

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the FEO filed on intrains report at the

100-Seat Conter

· Rep. Rivers' attacks on influence of 'monster airlines' touch off probe; handling of Bulbon case is scored.

· Report to White House could lead to reorganization; McCarthy eyes developments, may not independently. The Entrol Reven of Inventoring over CAR three times has constituted

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NOWHE AMERICAN F-140 SUVER SARRE delice a new world's speed mark of 754.00 mph, over langer 154m recess, but . . . F-100, F4D Battle for Top Speed Laurels

Previous top speed for the 15km course was 707,697 sigh set \$194 1

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Bulk Airmail

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Security Letup?

Aircraft Output Hits Postwar Peak Industry profits appear headed for new record as 1953

The awards substry rescued to be composite as apportion for the first > Oblantion Grin, Mercelile then were milestons that both USAF and New your ablestor field 2774 per Here we highlights of the prospects

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STREET STREET

NBAA Is Silent on Plane Needs Business pilots fail to come up with design suggestions.

destrite manufacturers' pleas to tell us what you want. By Frank Shee, Jr. Cote Applanded-A. T. George, chief prior for Kamberly Clark Corp., was an-St. Leule-Lock of enemiesity on the

conquelly as an NBAA specier, but criticism is conclude that the owner-Chief Was on the association's complished a fring. Let's stop bestring "Left free st." he continued, "we're of them offets Short Foram-A design percel forms. notice with the arises. And obey we George Pags, Account, opened with the countries. "but what do you recode really want in the wer of business als-240 continued and work on Why world and not together and my in witner

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"We went to cooperate with you," Reports concluded. "We swite your er sou'll cod up paying."

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Convair F-102 Crashes In Emergency Landing Conver's delto-wine F-102 mode a tolored at Educade ATE Cold has

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'round and 'round and comes out CLEAR THE HYAL FUEL BOOSTER PUMP BEATS THE PROBLEM



Every Boulder, Every Transport is Hydroldin Equipped.

THAT 'MAKES AN AMPRIANCE BLOOD BOIL' It is now several years have Hydro-Aire termed the attention of its Engreering Staff and Research Facilities to the dangerous phenomcross of vapor stall characteristics to Fuel Systems at altitude

Prolammery consultations with leading sureraft companies led to an intensive research program. In the course of this research an entirely yew principle was developed. The result of this new approach is the RT-V/s* Fael Booster Purps. Instead of the wavelecore feel supor being separated, it is forced back into liquid form in the possip-

small ... for Hydro Airc's unrivalled research facilities.

pentroly 'Tell as exactly what you west. Show as what the number is,"



Their flight plan was "progress"...

What made this flight modified

It was the very Wilber and Ocytile Wright opposition the predictor. The Wright Brochard succeeded because they statisfied the loss principated flight, then bell software profess for the temperature of the principal flight, then bell software profess for the principal flight, then bell software profess for the principal flight fli

Oil 15. This oil is currently approved for the Prett and Whitney Access? J.57 jet engine and the Curtins-Weight J-55 Supplies jet engine.



LETTERS

Rabson & CCA
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Sounding what fleishes . . . of Wright jet housings with HERNACE Paper Tape. No doubt there is no important use for

PERMACEL PAPER TAPES

... without oblimation.

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Let's Have Vigilance!

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AYLKEICH WHICH Revendor S. 1953



The Flexbolk Velov is dauged for fast recot compiled from motion on high-speed storage handles large flow and controls high pressure over a wide range with low power requirements Pressure of the flow medium holds the Flexbol.

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Specific applications of the Disabelt Volve anclade remain fuel firm control in arread fast systems and control of maximum exhaust gas temperature by variation of fuel flow to a

We believe our long experience, extensive facilities for developing, meanfurnaring and tooting control system econoposites for highspeed strendt can be helpful to you. Our enguseering control is at your service. We extensive over thesests.

WEDSTONNS ...

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MANNING, MAXWELL & MOORE, INC.

AIRCRAFT PRODUCTS DIVISION - STRATFORD, CONN.

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Westinghouse J 40 powers F4D to world speed record

U. S. Navy establishes new mark of 753.4 mph

A Watinghouse J 40 turboist powered the Douglas F4D "Skyrry" to 761.414 moh as it receptared the world seeed record for the United States by streaking to an official overage of 753.4 mish over the required counts. Designed and manufactured by the Westinghouse Aviation Gas Turbine Division in South Philodeletin, Pa., the J 40 and other outstanding surboses now are being produced as the have Watinghouse of genue place in Kanasa City, Ma. This J 40 contribution to record-breaking jet progress in another example of Westparkages turbout leadership.

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Turbo-Propaganda' Some present never viscous on vesur many rice have suggested a vigualizate study or

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Building places to outries sound and to confintance the Sun is the chillenge the modern alread magnifectures faces. Making to see these places the exceptionarians, another con-

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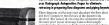
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AVAIDON WEEK, Nevenber 9, 1985

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Between the Wesp and the J-57 lies much of the history of swistion. And from this history many important lessons have been learned, not the least of which is this: America's socurity demands consistent development and production of better and meen powerful sircraft eprines.





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AVAILEN WEEK, Navander 1, 1953



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AIR TRANSPORT

New Canadian Line Pins Future on Coach

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was born box recently Creation corner to apply for a percent to opening aircoach service waters the Compde's Air Transport Board to open er tug 45-yest Brittol Wardson Into-Necrespebble-PWA's proposal F. Russell Boker, setterm Camedian books There Western Arkses at not in recesses and tell associated with Clear I School of courses. We see such remable consumers with white standards notes cook, may travel by an ?

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Pacific Western Airlines Goods carried Miles from House force metal Pap mile 518,290

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* Other Acceleration PWA is ready to cent has not been say. Example The the two resists: but ATE delegal serves curred in other area. It has a second, buttle with the Air Transport Royal to metal long I

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EDITORIAL

Spoon-Feeding the Public MiG that was flown over the lines to the United Nations

Res a is to be boost that the USAY learned to more thin its molecules at Takyo taki assembled newscores. men. The account multiplied here continued little reformation that our Air Force did not brown aboutshoot the MiG. The data in the room directors account to bill the public in the belief that, as escal, we Assercan have the best of everything, with nothing to fear This kind of northern away mounded to the meblic next officials, executally the realism mades Secretaries and offered of the December of Defease and his own her sweat the cable disorteher that came to

On the other hand, the FFAF officers used (I) The MiG is inferior to the E36. (7) The test effects accred they "revolered the Salare" one offer swing the M.G. "Is a light plane with a big (7) The MiC looks automatic compensat and controls so that the relot is kept bear and has his attention dicated from signt frigg It has a lower manipuon. speed than the Sabre. There is incofficient stall warning and poor cookest comfort. The heating and westleting

would have difficulty fixing the whole are project in enterior tests with a postudical view point, or in withholding from the public the fact that they found any seperior or thought provoking ideas lastrad they appear to be presented for mable conassession only posts deeped to be the MiC's allered It is ignostable for course at all families with endings solution to believe that way careful assessionless on the international conditions asserting in this case. would assert so points of appoints. Why is the MiCs altitude combility oppositioned, for econole? And why were we so arrians to vay \$100,000 for a MG if there weren't some questions we wanted U. S. counterwent's offer to return this MiC to "the

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Tremendous Shorthaul Market

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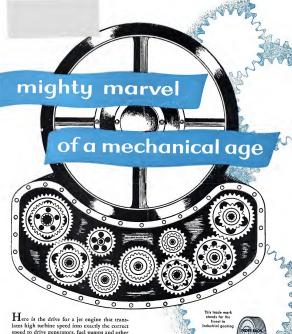












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